

Amendments to the Specification:

Please amend the paragraph beginning at page 13, line 19, as follows:

In alternative embodiments of the present invention, the DMA engine 286 can also be used for running diagnostics in the system. Known good data patterns can be loaded in memory of the memory hub 200, or known good system memory, and be used to test the system memory. A more detailed description of this type of application is provided in commonly assigned, co-pending U.S. Patent Application No. ~~\_\_\_\_\_~~, No. 10/644,522, entitled SYSTEM AND METHOD FOR ON-BOARD DIAGNOSTICS OF MEMORY MODULES, filed on ~~[Filing Date]~~, August 19, 2003, which is incorporated herein by reference.